

ABSTRACT

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5 The present invention provides methods and apparatus for identifying dangerous material that has an outer shell and at least one internal unit disposed within the shell that has a sealed tube and a dynamic needle moveable relative to the shell and with a penetration end disposed adjacent the first end of the tube and a proximal end disposed within a sleeve. The sleeve surrounds the dynamic needle and is in a sealed relationship with the tube. The device also has a fixed needle affixed to the outer shell with a
10 penetration end adjacent the second end of the tube, and a dispersal end of the fixed needle disposed within the outer shell. In operation, the fixed needle punctures the tube and the dynamic needle forces a higher pressure within the tube to evacuate its contents and thus permit testing for dangerous substances, contaminants or contraband. Preferably, the apparatus has more than one and most preferably three internal units all of
15 which are operated by an activation handle connected to the dynamic needle and protruding through the outer shell. Most preferably, the activation handle is a slider disposed within a slot in the outer shell. In preferred embodiments, the proximal end of the dynamic needle is sealed to a distribution orifice disposed within the activation handle that connects a lumen of the dynamic needle and an interior chamber of the tube. It is preferred that the tube is comprised of glass and the sealing cap is comprised of a
20 plastics material, and that portions of the apparatus are transparent.